

SASIKALA CHIRUMAMILLA

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Carrier Objective

As a fresher, I want to use my creative skills, technologies that I am familiar with, innovative thoughts that will benefit the Organization in the long run and also help me and ready to work in a globally competitive environment on challenging assignments that yield the twin benefits, job satisfaction and a steady-paced professional growth. Secure a responsible career opportunity to fully utilise my training and skills, while making a significant contribution of the success of the company.

Education

Eluru College Of Engineering and Technology

2021 - 2025

Bachelor of Technology

Computer Science and Engineering – Artificial Intelligence and Data Science (CGPA of 8.68)

Andhra Pradesh, India

Projects

Wildland fire Detection and Monitoring using a Drone-Collected RGB/IR Image Dataset | Python, Machine Learning

Drones equipped with both RGB and thermal (IR) cameras collect images and videos of potential fire areas. The combination of visual and thermal data provides richer information for fire detection. RGB cameras capture the visible spectrum, useful for identifying smoke, flames, and changes in vegetation. IR cameras detect heat signatures, enabling the identification of hotspots even through smoke or obscured by vegetation. The collected data is processed using image processing and machine learning algorithms. Machine learning models like convolutional neural networks (CNNs) are particularly well-suited for this task. The system can be configured to automatically send alerts to relevant authorities when a fire is detected.

Billing App / Core Java, JDBC, Oracle Data Base

Billing App is a desktop application developed in Java using AWT and Swing, designed to simplify and automate billing for pizza orders. The application features a user-friendly graphical interface where users can select from various pizza options, including types, sizes, and additional toppings, all of which contribute to the final bill calculation. The app dynamically updates the order summary, calculates prices based on user selections, and includes options for tax and discount calculations, providing an accurate total for each order. This project demonstrates proficiency in Java's GUI components, event handling, and object-oriented design, showcasing the ability to create interactive, real-world applications tailored to enhance business efficiency.

Personal Portfolio / HTML, CSS

Developed a personal portfolio website using HTML and CSS, showcasing projects, skills, and experience in a responsive and visually engaging format. This project highlights proficiency in front-end web development, focusing on clean, structured code, and user-friendly design principles. The site is designed to provide an accessible and organized display of information, optimized for different screen sizes and browsers.

Achievements

- * 100+ problems were solved on the LeetCode platform.
- * Achieved a group award in a web coding hackathon conducted by the Ramachandra College of Engineering.

Certifications

- * Completed full-stack certification from ShiftEduTech.

Course work

- I have good knowledge in Object Oriented Programming Language.
- I have good knowledge in Core Java and Advanced Java.
- I have good knowledge in OOPS Concepts, Packages & Exception Handling.
- I have good knowledge in String Operations & Collection Frameworks.
- I have good knowledge in JDBC.
- I have good knowledge in Oracle Data Base.
- I have good knowledge in Java Swings & Servlets.
- I have done Billing App by Using java AWT & Swings.
- I have done Dynamic web application by using java servlets & UI Technologies with Database CRUD Operations.

Technical Skills

Programming Languages: C, Java

J2EE Technologies: JDBC, Servlets

Web Servers: Apache Tomcat

IDE's: VS Code, Eclipse, Oracle

Web Technologies: HTML, CSS, Java Script (Basic)

Data Base: SQL